AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-10. Cancelled

11. (New) An isolated Rhor polypeptide comprising the amino acid sequence of SEQ ID NO: 2.

12. (New) The polypeptide of Claim 11 wherein the polypeptide is a polypeptide having the amino acid sequence of SEQ ID NO: 2.

13. (New) An isolated polynucleotide comprising a nucleotide sequence selected from the group consisting of:
   (a) the nucleotide sequence encoding the polypeptide comprising the amino acid sequence of SEQ ID NO: 2;
   (b) the polynucleotide complementary to nucleotide sequence of (a).

14. (New) The polynucleotide of Claim 13 wherein said nucleotide sequence encodes a polypeptide having the amino acid sequence of SEQ ID NO: 2.

15. (New) The polynucleotide of Claim 13 wherein said nucleotide sequence comprises nucleotides 1-2484 of the nucleotide sequence of SEQ ID NO: 1.

16. (New) A vector containing the polynucleotide of Claim 13.

17. (New) A genetically engineered host cell containing the vector of Claim 16.

18. (New) A method for producing Rhor protein comprising the following steps:
(a) culturing the host cell of Claim 17 under the conditions suitable for expression of protein;

(b) isolating the Rhor protein from the culture.

19. (New) A kit for detecting susceptibility of baldness comprising the primers which specifically amplify the Rhor gene or transcript.

20. (New) A composition comprising a safe and efficient amount of the polypeptide of Claim 11 and a pharmaceutically acceptable carrier.

21. (New) The use of the mammal Rhor polypeptide for preparing the medicine used for treating baldness.

22. (New) The use of Claim 21 wherein the Rhor polypeptide is from mouse or human.

23. (New) A method for treating baldness in a mammal animal comprising the steps of administrating the Rhor polypeptide to a subject in need of.

24. (New) The method of Claim 23 wherein the Rhor polypeptide is from mouse or human.